

Application #09/946,112  
Amendment dated May 6, 2005

PATENT

**Amendments to the claims:**

- 1           1.       (original) A method for reducing transmissions of content between a gateway  
2 and one or more clients, the method comprising:  
3           determining a plurality of characteristics of content, including at least one static  
4           characteristic of content, and;  
5           sharing the determination of the plurality of characteristics of content with the  
6           gateway and the one or more clients, the sharing to enable the gateway to filter  
7           content for transmission to the one or more clients based on the plurality of  
8           characteristics thereby reducing an amount of content for transmission  
9           between the gateway and the one or more clients.
- 1           2.       (original) The method of claim 1 further comprising:  
2           updating the gateway with a later determination of the plurality of characteristics of  
3           content, the updating including adding data to a container associated with the  
4           gateway.
- 1           3.       (original) The method of claim 2 wherein the container is a database.
- 1           4.       (original) The method of claim 1 wherein the determining is done one of:  
2           prior to manufacture of one or more components for the client, the components  
3           including one or more of a smart card, a removable device for a computer  
4           system, and a wireless transmission component for the client; and  
5           after manufacture of the one or more components for the client, the client or the  
6           gateway performing the determining according to decisions one or both of by  
7           the client and the gateway.
- 1           5.       (original) The method of claim 1 wherein the determining is done by one or  
2           more of a user of the client and an issuer of the client.
- 1           6.       (original) The method of claim 5 wherein the issuer identifies static content  
2           via a communication with the gateway.

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1           7.       (original) The method of claim 5 wherein the user identifies static content via  
2 a setup program.

1           8.       (original) The method of claim 1 wherein the determining is done dynamically  
2 by the gateway, the gateway running software adapted to determine whether content is  
3 cached in the one or more clients.

1           9.       (currently amended) The method of claim 4 wherein the decisions include ~~one~~  
2 two or more of:  
3           a decision that an identified content type will be cached in the client and require  
4           updating according to a predetermined frequency;  
5           a decision regarding a number of bytes for each transmission;  
6           a decision regarding an amount of time for a transmission;  
7           a contractual agreement regarding reduced transmissions;  
8           a decision made via a setup program for governing transmissions; and  
9           a decision with respect to a static characteristic of a linked set of files for a web site,  
10           the linked set of files having a hierarchy, wherein the linked set of files is  
11           shared with the gateway with the static characteristic determining the filtering  
12           of the content.

1           10.      (original) The method of claim 1 further comprising:  
2           recording one or more unique identifiers associated with the determination of the  
3           plurality of characteristics of content, the unique identifier identifying content  
4           chosen for caching according to at least one characteristic of the plurality of  
5           characteristics of content;  
6           comparing the unique identifier to a list of unique identifiers recorded by the gateway;  
7           and  
8           if the list holds the unique identifier, transmitting to the client the content as filtered  
9           by removing content identified by the unique identifiers.

1           11.      (original) The method of claim 1 wherein the determining one or more  
2 characteristics provides a cached set of files for a smart card.

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1           12.     (currently amended) A computer readable storage medium comprising  
2 computer instructions for:  
3           reading a container, the container identifying content not to be distributed according  
4           to at least one characteristic of the content, including a determination of  
5           usefulness of the content to a user;  
6           comparing the container with received content for distribution to a client; and  
7           if the container identifies the received content as including one or more subsets of  
8           content identified as not to be distributed, filtering the subsets from the  
9           content.

1           13.     (original) The computer readable storage medium of claim 12 wherein the  
2 container is a one of a database and a file list.

1           14.     (currently amended) A method of managing content in a gateway, the method  
2 comprising:  
3           reading a container, the container identifying content not to be distributed according  
4           to at least one characteristic of the content independent of a static and/or  
5           dynamic characteristic of the content;  
6           comparing the container with received content for distribution to a client; and  
7           if the container identifies the received content as including one or more subsets of  
8           content identified as not to be distributed, filtering the subsets from the  
9           content.

1           15.     (original) The method of claim 14, further comprising:  
2           if the subsets from the content are filtered, inserting one or more unique identifiers  
3           into the content.

1           16.     (original) The method of claim 15 wherein the gateway transmits the filtered  
2 content to the client via a communication channel in response to a request for content for  
3 loading a linked set of files defining a web page, the linked set of files including content  
4 having a static characteristic and dynamic content, wherein the content identified as having at  
5 least one static characteristic is associated with the one or more unique identifiers.

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1 17. (original) The method of claim 14 wherein the gateway has a contractual  
2 relationship with the client.

1 18. (original) The method of claim 14 wherein the characteristics of the content  
2 include a static characteristic of the content.

1 19. (original) The method of claim 14 wherein the characteristics of the content  
2 include a plurality of characteristics according to one or more of a determination as to a level  
3 of inactivity and a plurality of predetermined parameters for adjusting the content.

1 20. (original) The method of claim 14 wherein the content is stored on a machine  
2 readable medium coupled to a first digital machine and wherein the first digital machine  
3 transmits content via a communication channel to a second digital machine, wherein:  
4 the characteristic of the content associated with the container is a static characteristic;  
5 the comparing includes determining whether the container identifies content for  
6 distribution to second digital machine that is held in a cache of the second  
7 digital machine; and  
8 if the second digital machine cache holds content identified in the container, the  
9 content is stored in a readable/writeable memory locally coupled to the second  
10 digital machine

1 21. (original) The method of claim 20 wherein the second digital machine is one  
2 of a personal computer, a portable computing device, and a mobile telephone.

1 22. (original) The method of claim 20 wherein the second digital machine is  
2 configured to execute one or more of telephony, appointment planning, and personal  
3 computing.

1 23. (currently amended) A system comprising:  
2 a processor;  
3 a first memory coupled to the processor;  
4 a first instruction set operable with the processor to compare a container in the  
5 memory to determine whether content for transmission matches at least a

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6 subset stored in a second memory within a receiving device, wherein the  
7 subset is identified as ~~one or more of~~ static content previously cached in the  
8 receiving device and content previously identified as not to be transmitted to  
9 the receiving device; and  
10 a second instruction set operable with the processor to filter the content for  
11 transmission by removing the subsets.

1 24. (original) The system of claim 23 wherein the system is a gateway configured  
2 to transmit filtered content to the receiving device.

1 25. (original) The system of claim 23 wherein the second instruction set further  
2 inserts a plurality of unique identifiers into the filtered content, the plurality of unique  
3 identifiers marking the filtered content for the receiving device to insert cached content.

1 26. (original) The system of claim 23 further comprising a transmitter responsive  
2 to the determination of the first and second instruction sets.

1 27. (original) The system of claim 23 wherein the receiving device is one of a  
2 smart card and a memory module coupled to one of a mobile telephone, a personal digital  
3 assistant, a personal computer, and a mobile computing device.

1 28. (original) The system of claim 23 wherein the memory includes:  
2 storage for the content with the static characteristic; and  
3 a database for holding a list of unique identifiers.

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- 1           29.   (original) The system of claim 25 wherein:  
2   the receiving device receives the plurality of unique identifiers via a communication  
3       channel in response to a request for content for loading a linked set of files  
4       defining a web page, the linked set of files including content having a static  
5       characteristic and dynamic content, wherein the content identified as having at  
6       least one static characteristic is associated with the plurality of unique identifiers.